

## Rabbit WWC1 Polyclonal Antibody | anti-WWC1 antibody

WWC1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA40788  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

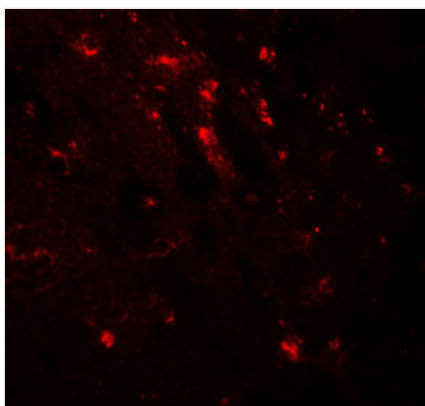
### PRODUCT SYNONYMS

WWC1; Polyclonal Antibody; WWC1 Antibody; WW and C2 domain containing 1; HBEBP3; HBEBP36; KIBRA; MEMRYQTL; anti-WWC1 antibody

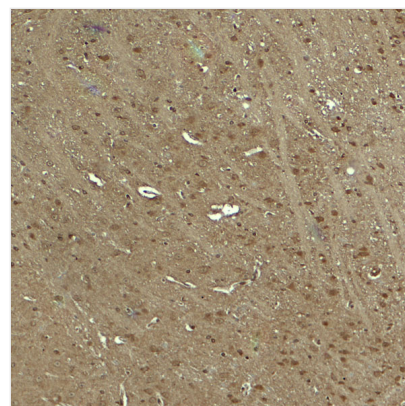
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                            |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                        |
| Isotype                                        | IgG                                                                                                                                               |
| Specificity                                    | WWC1 antibody is human, mouse and rat reactive. At least three isoforms of WWC1 are known to exist; this antibody will detect all three isoforms. |
| Purity/Purification                            | WWC1 antibody is affinity chromatography purified via peptide column.                                                                             |
| Form/Format                                    | Liquid                                                                                                                                            |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                           |
| Sequence Length                                | 1119                                                                                                                                              |
| Applicable Applications for anti-WWC1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                     |
| Conjugate                                      | Unconjugated                                                                                                                                      |
| Immunogen                                      | WWC1 antibody was raised against an 18 amino acid peptide near the amino terminus of human WWC1.                                                  |
| Buffer                                         | WWC1 antibody is supplied in PBS containing 0.02% sodium azide.                                                                                   |
| Preparation and Storage                        | WWC1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.                                           |

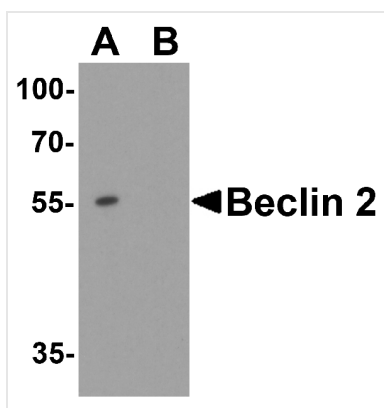
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of WWC1 in mouse brain tissue with WWC1 antibody at 20 &amp;#956;g/ml.


**IHC (Immunohistochemistry)**

Immunohistochemistry of WWC1 in mouse brain tissue with WWC1 antibody at 5 &amp;#956;g/ml.



#### WB (Western Blot)

Western blot analysis of WWC1 in human brain tissue lysate with WWC1 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

## ADDITIONAL INFORMATION

### Related Product Information for anti-WWC1 antibody

The WW and C2 domain containing 1 (WWC1) protein, also known as KIBRA, possesses two WW domains and an internal C2-like domain (1). WWC1 was originally identified as a memory performance-associated protein in humans (2) and has recently been shown to be a novel regulator of the Hippo pathway (3). WWC1 is phosphorylated by the mitotic kinases Aurora-A and -B (4), and in turn activates the Aurora kinases and is required for precise chromosome alignment during mitosis (5).

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 242247251                                                                                                                                                                 |
| NCBI GeneID                      | 23286                                                                                                                                                                     |
| NCBI Accession #                 | NP_001155133                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_001161661.1                                                                                                                                                            |
| UniProt Accession #              | Q8IX03; O94946; Q6MZX4; Q6Y2F8; Q7Z4G8; Q8WVM4; Q9BT29; B4DK05                                                                                                            |
| Molecular Weight                 | Predicted: 123 kDa<br>Observed: 110 kDa                                                                                                                                   |
| NCBI Official Full Name          | protein KIBRA isoform 1                                                                                                                                                   |
| NCBI Official Synonym Full Names | WW and C2 domain containing 1                                                                                                                                             |
| NCBI Official Symbol             | WWC1                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | KIBRA; HBEBP3; HBEBP36; MEMRYQTL; PPP1R168                                                                                                                                |
| NCBI Protein Information         | protein KIBRA; protein WWC1; HBeAg-binding protein 3; kidney and brain protein; WW, C2 and coiled-coil domain containing 1; protein phosphatase 1, regulatory subunit 168 |
| UniProt Protein Name             | Protein KIBRA                                                                                                                                                             |
| UniProt Gene Name                | <b>WWC1</b>                                                                                                                                                               |
| UniProt Synonym Gene Names       | KIAA0869; KIBRA                                                                                                                                                           |
| UniProt Entry Name               | KIBRA_HUMAN                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.